FIG. 1

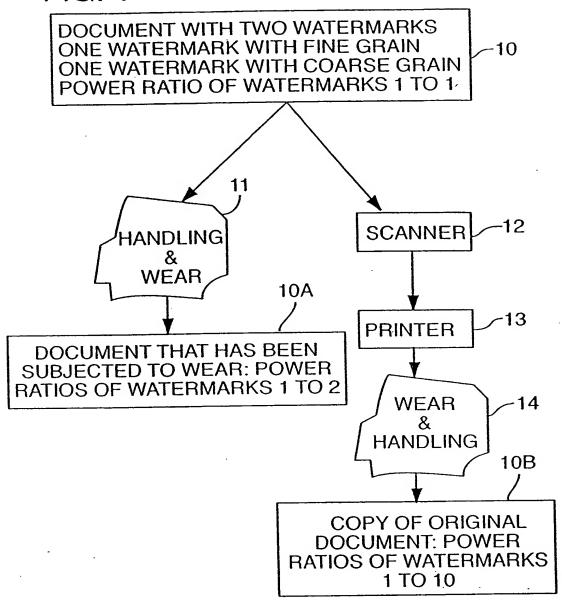


FIG. 2A



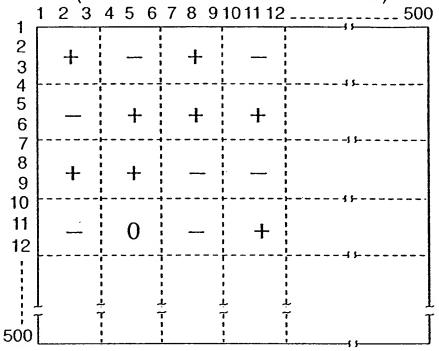


FIG. 2B WATERMARK WITH A COARSE GRAIN (EACH BLOCK OF PIXELS IS 6X6)

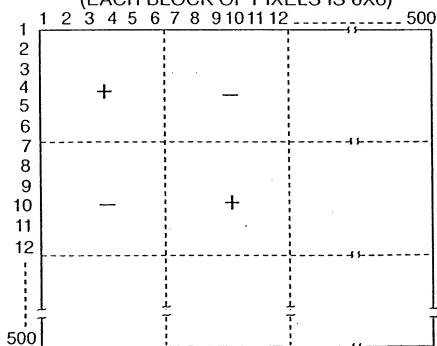


FIG. 3A GEOMETRICALLY LINEAR ASSIGNMENT OF PIXELS TO EACH BIT

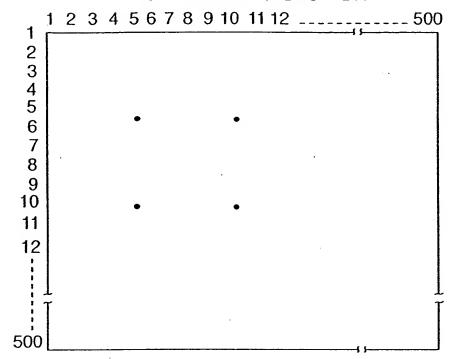
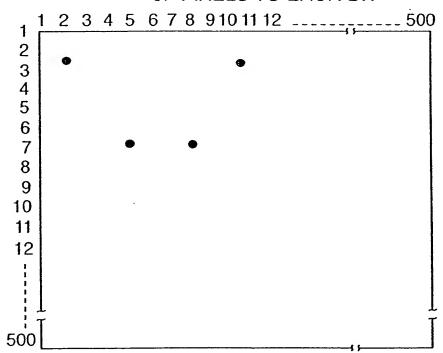


FIG. 3B GEOMETRICALLY RANDOM ASSIGNMENT OF PIXELS TO EACH BIT



- (1) RGB → HSI
- (2) FIRST WATERMARK

  HSI + WMI Δ → RGB1
- (3) SECOND WATERMARK

HSI + BIASED WM2∆ —►RGB2

(4) FINAL IMAGE (RGB1 + RGB2)/2 = RGBF

FIG. 4

